

AMENDMENT:

This listing of claims will replace all prior versions, and listings, of claims in the application. Where claims have been amended and/or canceled, such amendments and/or cancellations are done without prejudice and/or waiver and/or disclaimer to the claimed and/or disclosed subject matter, and the assignee reserves the right to claim this subject matter and/or other disclosed subject matter in a continuing application.

Claim Listing:

Claim 1 (Currently Amended). A method of sequencing image data comprising:

scanning a line to obtain pixel data for one of a plurality of primary or secondary colors;
dividing the scanned data into a first group containing odd-numbered pixel data and a second group containing even-numbered pixel data; and
sending the first group of pixel data or the second group of pixel data to a memory unit and reserving a storage space in front of and behind an address space for the sent pixel data so that primary or secondary color data constituting a pixel can be are subsequently arranged in a fixed sequence next to each other inside said memory unit.

Claim 2 (Previously presented). A method of sequencing data, comprising:

dividing data obtained by scanning a line of pixels into groups;
sending said data to a memory unit;
arranging a plurality of primary or secondary color data constituting a pixel in a fixed sequence in said memory unit; and
sending out the data belonging to one of the groups after said memory unit has accumulated the pixel data of said one of the groups.

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Claim 3 (Previously presented). The method of claim 2, wherein dividing the scanned data into groups comprises:

gathering odd-numbered pixel data together to form a first group; and
gathering even-numbered pixel data together to form a second group.

Claim 4 (Previously presented). The method of claim 2, wherein the primary colors comprise red, green and blue and wherein the secondary colors comprise magenta, yellow and cyan.

Claim 5 (Currently Amended). The method of claim 2, wherein sending said data to the memory unit comprises:

securing pixel data of one primary or secondary color; and
reserving a storage space before and after an address space associated with said pixel data, so that the primary or secondary colors constituting a pixel ~~can be~~ are subsequently arranged in a fixed sequence within said memory unit.

Claim 6 (Currently Amended). A method of sequencing image data comprising:

securing pixel data from a scan line, said pixel data corresponding to a primary or secondary color;

dividing pixels of the scanned line into groups;

reserving a storage space before and after an address space for holding the secured primary or secondary color data so that the primary or secondary colors constituting a pixel ~~can be~~ are subsequently arranged in a fixed sequence within the memory unit; and

sending out the pixel data of the primary or secondary colors after a set of the primary or secondary colors belonging to one of the groups is accumulated inside the memory unit.

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Claim 7 (Previously presented). The method of claim 6, wherein dividing pixels of the scanned line into groups comprises:

gathering the odd-numbered pixel data together to form a first group; and
gathering the even-numbered pixel data together to form a second group.

Claim 8 (Previously presented). The method of claim 6, wherein the primary colors comprise red, green and blue, and wherein the secondary colors comprise magenta, yellow and cyan.

Claim 9 (Previously presented). The method of claim 1, and further comprising transmitting said pixel data of the primary or secondary colors after a set of the primary or secondary colors belonging either to the first group or the second group is accumulated inside said memory unit.

Claim 10 (Previously presented). The method of claim 9, wherein the primary colors comprise red, green and blue, and wherein the secondary colors comprise magenta, yellow and cyan.

Claim 11 (Currently amended). The method of claim 5, wherein the primary or secondary colors constituting a pixel ~~can be~~ are subsequently arranged next to each other in said fixed sequence.

Claim 12 (Currently amended). The method of claim 6, wherein the primary or secondary colors constituting a pixel ~~can be~~ are subsequently arranged next to each other in said fixed sequence.

Claim 13 (Currently amended). An apparatus comprising:

a scanner having a configuration to store pixel data belonging to a first group ~~[[and/or]]~~ or a second group in a memory unit at a first address space, wherein an address space before and after the first address space ~~can be~~ are reserved so that a plurality of pixel data corresponding to a pixel ~~can be~~ are subsequently arranged in a sequence inside said memory unit, wherein said pixel data comprises primary ~~[[and/or]]~~ or secondary color data associated with said pixel.

Claim 14 (Previously presented). The apparatus of claim 13, wherein said first group comprises even-numbered pixels, and wherein said second group comprises odd-numbered pixels.

Claim 15 (Previously presented). The apparatus of claim 14, wherein primary colors comprise red, blue, and green, and wherein secondary colors comprise magenta, yellow, and cyan.

Claim 16 (Currently amended) The apparatus of claim 15, wherein said scanner further has a configuration to transmit pixel data once a plurality of pixel data from said first group [[and/or]] or said second group is stored in said memory unit.